

**KANDUNGAN ANTOSIANIN TOTAL DAN IDENTIFIKASI ANTOSIANIDIN SERTA
ANTOSIANIN EKSTRAK KULIT BIJI KOPI ROBUSTA (*Coffea robusta* L.)**

***TOTAL ANTHOCYANIN CONTENT AND IDENTIFICATION OF ANTHOCYANIDIN AS
WELL AS ANTHOCYANIN OF ROBUSTA COFFEE (*Coffea robusta* L.) BEAN PEEL***

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ABSTRAK

Tujuan penelitian ini adalah menentukan antosianin total serta mengidentifikasi jenis antosianidin dan antosianin kulit biji kopi robusta. Antosianin total ditentukan berdasarkan metode perbedaan pH, dan identifikasi antosianidin dan antosianin berdasarkan nilai R_f pada KLT, absorbansi maksimum dari spot pada KLT, dan waktu retensi pada puncak KCKT. Hasil penelitian menunjukkan bahwa antosianin total pada kulit biji kopi robusta adalah $43,07 \pm 1,05$ mg/100 g; jenis antosianidin pada kulit biji kopi robusta adalah sianidin dan delpinidin; dan jenis antosianin pada kulit biji kopi robusta adalah sianidin 3-glikosida, delpinidin 3-glikosida, dan pelargonidin 3-glikosida.

Kata kunci: antosianin total, jenis antosianidin, jenis antosianin, kulit biji kopi robusta

ABSTRACT

The aims of this research were to determine total anthocyanin content as well as identify the type of anthocyanidin and anthocyanin of robusta coffee bean peel. The total anthocyanin content was determined by the pH differential method, and the identification of anthocyanidin and anthocyanin was based on R_f value on TLC, maximum absorbance of the spot on TLC, and time retention of the peak on HPLC. The results showed that total anthocyanin content of robusta coffee bean peel was $43,07 \pm 1,05$ mg/100 g; the type of anthocyanidin of robusta coffee bean peel was cyanidin, and delphinidin; and the type of anthocyanin of robusta coffee bean peel was cyanidin 3-glucoside, delphinidin 3-glucoside, and pelargonidin 3-glucoside.

Keywords: total anthocyanin, type of anthocyanidin, type of anthocyanin, robusta coffee bean peel